

***LineUp With Math™* Alignment**
Missouri Mathematics
Grade-Level Expectations

Strand: Number and Operations

3. Compute fluently and make reasonable estimates

E. Use proportional reasoning

Grade-Level Expectation

Solve problems involving proportions. (MA 1 3.3)

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

Strand: Algebraic Relationships

4. Analyze change in various contexts

A. Analyze change

Grade-Level Expectation

Analyze linear functions by investigating rates of change and intercepts. (MA 4 1.6,4.1)

***LineUp With Math™* Activities**

--Use an interactive simulator to identify distance, rate, time conflicts in air traffic control problems and resolve the conflicts by varying plane speeds or changing plane routes.

Strand: Geometric and Spatial Relationships

4. Use visualization, spatial reasoning and geometric modeling to solve problems.

B. Draw and use visual models

Grade-Level Expectation

Draw or use visual models to represent and solve problems (MA 2 3.1)

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

Strand: Measurement

1. Understand measurable attributes of objects and the units, systems and processes of measurement.

A. Determine unit of measurement

Grade-Level Expectation

Identify and justify appropriate units of measure for velocity. (MA 1,2 3.1,4.1)

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.